

combinations of horizontal and vertical connections 514 so as to channel the inflation media to all desired locations. One such arrangement is illustrated in FIG 10.- -

IN THE CLAIMS

Please amend claims 1, 2, 3, 8, and 9 as follows:

1. (Amended) An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that upon introduction of a gas into said bag, the flow of the gas within the bag is limited by said woven in joints thereby containing the gas in locations where inflation is desired and restricting inflation of said bag at locations where said woven in joints are present; at least a portion of at least one of said woven in joints extending in both the warp direction and the weft direction between said face portion and said rear portion, and all of said woven in joints consisting essentially of one or more straight line segments, at least one of said woven in joints [being longer than the other woven in joints and] forming at least one of a closed edge and end between said face portion and said rear portion to prevent gas from escaping from said airbag cushion upon the introduction of gas into said cushion, and wherein at least [a portion of] one of said flow barriers comprise substantially parallel woven in joints separated from one another by at least two yarns and no more than twelve yarns in each layer of fabric.

2. (Amended) The invention according to Claim 1, wherein at least one of said flow barriers comprise box structures disposed across the interior of said bag.

3. (Amended) The invention according to Claim [1] 2, wherein said box structures are of multiple cornered construction.

8. (Amended) The invention according to Claim 1, wherein the woven-in joints are separated by an area of [two] said first and second layers of fabric.

9. (Amended) The invention according to Claim 1, wherein the airbag cushion is in the shape of a rectangle.

AM *SB* Please add new claims 10 – 40 as follows:

10. An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that upon introduction of a gas into said bag, the flow of the gas within the bag is limited by said woven in joints thereby containing the gas in locations where inflation is desired and restricting inflation of said bag at locations where said woven in joints are present, at least one of said woven in joints defining an interior flow barrier, a plurality of said woven in joints defining closed perimeter joints, and said bag having at least one inlet opening along the perimeter thereof, all of said woven in joints consisting essentially of one or more straight line segments.

11. The invention according to Claim 10, wherein said internal flow barriers comprise box structures

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disposed across the interior of said bag.

12. The invention according to Claim 11, wherein said box structures are of multiple cornered construction.

13. The invention according to Claim 10; wherein said warp yarns and said weft yarns are formed from a polymer selected from the group consisting of polyester, Nylon 6 and Nylon 6.6.

14. The invention according to Claim 10, wherein said bag further comprises a porosity blocking coating.

15. The invention according to Claim 10, wherein the airbag cushion is in the shape of a rectangle.

16. The invention according to Claim 10, wherein at least one of said internal flow barriers extends in both the warp direction and weft direction.

17. The invention according to Claim 10, wherein at least one of said internal flow barriers forms a peninsula which projects from an edge of said bag into the interior thereof.

18. The invention according to Claim 10, wherein a plurality of said internal flow barriers form peninsulas each of which project from an edge of said bag into the interior thereof.

19. The invention according to Claim 10, wherein at least one of said internal flow barriers forms an island in the interior of said bag not connected to an edge of said bag.

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20. The invention of Claim 10, wherein a plurality of said internal flow barriers form respective islands in the interior of said bag not connected to an edge of said bag.
21. The invention of Claim 10, wherein at least one of said internal flow barriers is the shape of a T.
22. The invention of Claim 10, wherein at least one of said internal flow barriers is in the shape of a cross.
23. An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that upon introduction of a gas into said bag, the flow of the gas within the bag is limited by said woven in joints thereby containing the gas in locations where inflation is desired and restricting inflation of said bag at locations where said woven in joints are present, all of said woven in joints consisting essentially of one or more straight line segments, and wherein at least a portion of said flow barriers comprise substantially parallel woven in joints separated from one another by at least two yarns and no more than twelve yarns in each layer of fabric.
24. The invention according to Claim 23, wherein said flow barriers comprise box structures disposed across the interior of said bag.
25. The invention according to Claim 24, wherein said box structures are of multiple cornered

construction.

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26. The invention according to Claim 23, wherein said warp yarns and said weft yarns are formed from a polymer selected from the group consisting of polyester, Nylon 6 and Nylon 6.6.
 27. The invention according to Claim 23, wherein said bag further comprises a porosity blocking coating.
 28. An invention according to Claim 23, wherein said parallel woven in joints are separated from one another by no more than eight yarns in each layer of fabric.
 29. The invention according to Claim 23, wherein said parallel woven in joints are separated from one another by no more than four yarns in each layer of fabric.
 30. The invention according to Claim 23, wherein the woven-in joints are separated by an area of two layers of fabric.
 31. The invention according to Claim 23, wherein the airbag cushion is in the shape of a rectangle.
 32. An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that

upon introduction of a gas into said bag, the flow of the gas within the bag is limited by said woven in joints thereby containing the gas in locations where inflation is desired and restricting inflation of said bag at locations where said woven in joints are present, all of said woven in joints consisting essentially of one or more straight line segments, at least some of said woven-in joints forming closed edges between said face portion and said rear portion to prevent gas from escaping from said airbag cushion upon the introduction of gas into said cushion, and wherein said woven in joints form an inflatable portion having more than four interior sides.

33. The invention according to Claim 32, wherein said inflatable portion has at least six interior sides.

34. An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that upon introduction of a gas into said bag, the flow of the gas within the bag is limited by said woven in joints thereby containing the gas in locations where inflation is desired and restricting inflation of said bag at locations where said woven in joints are present, all of said woven in joints consisting essentially of one or more straight line segments, and at least one of said woven-in joints forming a peninsula which projects from a side of the bag into the interior thereof.

35. The invention according to Claim 34, wherein at least two of said woven-in joints form peninsulas.

36. The invention according to Claim 34, wherein at least a portion of said woven-in joints forming

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said peninsula comprises substantially parallel woven-in joints.

37. An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that upon introduction of a gas into said bag, the flow of the gas within the bag is limited by said woven in joints thereby containing the gas in locations where inflation is desired and restricting inflation of said bag at locations where said woven in joints are present, all of said woven in joints consisting essentially of one or more straight line segments, and at least one of said woven-in joints forming an island not connected to a side of the bag.

38. The invention according to Claim 37, wherein said bag has a plurality of said islands.

39. The invention according to Claim 37, wherein said island is formed of substantially parallel woven-in joints.

40. An inflatable airbag cushion comprising: a woven bag of non-jacquard construction, wherein said bag comprises a face portion and a rear portion formed from a first fabric layer and a second fabric layer, each of said first and second fabric layers being defined by a plurality of polymeric warp yarns running in a warp direction interposed by a plurality of polymeric weft yarns running in a weft direction substantially transverse to said warp direction; said bag further comprising a plurality of woven in joints, said woven in joints being arranged so as to define flow barriers between said face portion and said rear portion such that